

AMENDMENTS

Please amend the above-identified application as follows:

In the claims:

1. (Currently Amended) A method for removing **[[an]] contrast** agent from a physiological efferent fluid collection site of a body, said method comprising:
introducing a non-occlusive aspiration element to a target site at least proximal to said physiological efferent fluid collection site; and
activating said aspiration element when said **contrast** agent is at least predicted to be present in said target site to selectively remove fluid comprising said **contrast** agent from said physiological efferent fluid collection site;
wherein said aspiration element does not occlude said target site when activated and said removed fluid is not returned to the body.
2. (Original) The method according to Claim 1, wherein said physiological efferent fluid collection site is a vascular fluid collection site.
3. (Original) The method according to claim 2, wherein said vascular fluid collection site is a cardiovascular fluid collection site.
4. (Original) The method according to Claim 3, wherein said cardiovascular fluid collection site is a coronary cardiovascular fluid collection site.
5. (Original) The method according to Claim 4, wherein said coronary cardiovascular fluid collection site is a coronary sinus.
6. (Original) The method according to Claim 1, wherein said physiological efferent

fluid collection site is present in a mammal.

7. (Original) The method according to Claim 6, wherein said mammal is a human.

Claims 8 -79. (Cancelled)

80. (Previously Presented) The method according to Claim 1, wherein said non-occlusive aspiration element comprises a detector for at least predicting the presence of said agent in said physiological efferent fluid collection site, wherein said detector is located at an upstream location of said non-occlusive aspiration element.

81. (Previously Presented) The method according to Claim 80, wherein said detector is a fiber-optic detector.

Claims 82-84 (Cancelled).

85. (Previously Presented) The method according to Claim 80, wherein said detector is located at the vicinity of said target site.

Please enter the following new claims:

86. (New) A method for removing an agent from a physiological efferent fluid collection site of a body, said method comprising:

introducing a non-occlusive aspiration element to a target site at least proximal to said physiological efferent fluid collection site, wherein said non-occlusive aspiration element comprises a detector for at least predicting the presence of said agent in said physiological efferent fluid collection site and said detector is located at an upstream location of said non-occlusive aspiration element; and

activating said aspiration element when said agent is at least predicted to be

present in said target site to selectively remove fluid comprising said agent from said physiological efferent fluid collection site;

wherein said aspiration element does not occlude said target site when activated and said removed fluid is not returned to the body.

87. (New) The method according to Claim 86, wherein said physiological efferent fluid collection site is a vascular fluid collection site.

88. (New) The method according to claim 87, wherein said vascular fluid collection site is a cardiovascular fluid collection site.

89. (New) The method according to Claim 88, wherein said cardiovascular fluid collection site is a coronary cardiovascular fluid collection site.

90. (New) The method according to Claim 89, wherein said coronary cardiovascular fluid collection site is a coronary sinus.

91. (New) The method according to Claim 86, wherein said physiological efferent fluid collection site is present in a mammal.

92. (New) The method according to Claim 91, wherein said mammal is a human.

93. (New) The method according to Claim 86, wherein said agent is a therapeutic agent.

94. (New) The method according to Claim 86, wherein said agent is a diagnostic agent.

95. (New) The method according to Claim 94, wherein said diagnostic agent is a contrast agent.

96. (New) The method according to Claim 86, wherein said detector is a fiber-optic detector.

97. (New) The method according to Claim 86, wherein said detector is located at the vicinity of said target site.